

Historic, Archive Document

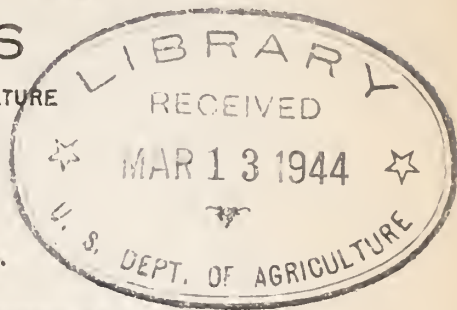
Do not assume content reflects current scientific knowledge, policies, or practices.

COTTON LITERATURE

SELECTED REFERENCES

PREPARED IN THE LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE
WITH THE COOPERATION OF THE BUREAU OF AGRICULTURAL ECONOMICS,
BUREAU OF PLANT INDUSTRY AND BUREAU OF ENTOMOLOGY.

COMPILED BY EMILY L. DAY, LIBRARY SPECIALIST IN COTTON MARKETING,
BUREAU OF AGRICULTURAL ECONOMICS, WASHINGTON, D. C.



Vol. 2

July, 1932

No. 7

CONTENTS

Production.....	209
Botany.....	209
Genetics.....	209
Agronomy.....	210
Diseases and Insects	211
Farm Engineering.....	212
Preparation.....	213
Ginning.....	213
Baling.....	213
Marketing.....	214
Demand and Competition.....	214
Supply and Movement.....	219
Prices.....	219
Marketing and Handling Methods and Practices	219
Services and Facilities.....	219
Cooperation in Marketing.....	220
Utilization.....	221
Fiber, Yarn and Fabric Quality.....	221
Technology of Manufacture.....	225
Technology of Consumption.....	226
Seed and Seed Products.....	227
Legislation, Regulation and Adjudication.....	229
Miscellaneous--General.....	229

COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

PRODUCTIONBotany

Gopalaratnam, P. A chimera in cotton. Madras Agricultural Journal, v.20, no.4, Apr.1932, p.151-152. illus. (Published by M.A.S.Union, Agricultural College and Research Institute, Coimbatore, S.India)

Describes a plant observed at the Cotton Breeding Station, Coimbatore, India, which showed absence of chlorophyll in some branches. Seeds from the creamy branches produced creamy cotyledons which withered in 2 days.

Reeves, Robert C., and Valle, C.C. Anatomy and micro-chemistry of the cotton seed. Botanical Gazette, v.93, no.3, May 1932, p.259-277. illus. (Published at Chicago, Ill.)

Literature cited: p.276-277.

Selyaninov, G. T. The possible climatical limits of cotton growing in the European part of USSR. Bulletin of Applied Botany, of Genetics and Plant-Breeding, v.26, no.5, 1931, p.83-94. (Published at Leningrad, U.S.S.R.)

In Russian.

Genetics

Barker, J.D. L'amélioration du coton Haitien par la sélection. Port-au-Prince, Haiti, 1931. 38 p. tables. (Haiti.Département de l'agriculture et de l'enseignement professionnel.Service technique.Bul.25)
The improvement of cotton in Haiti by selection. Results of work at experiment stations.

Hsu, C.C., Feng, C.F., and Wu, P.C. A study of methods in pure-line selections about Chinese cotton. Journal of Agricultural Association of China, no.87, Apr. 1931, p.1-42. (Published by Agricultural Association of China, Shanghai, China)

In Chinese.

Agronomy

Cramer, S. Cotton growing near Lake Nyasa. Part I-II. Tropical Life, v.28, no.323, May 1932, p.88-89; no.324, June 1932, p.107-108. (Published in London, England)

Crowther, E.M. The present position of the use of fertilisers. Journal of the Royal Agricultural Society of England, v.92, 1931, p.162-182. graphs. (Published by John Murray, Albemarle St., London, England)

"Read before the British association, Section M, September 1930."

"The modern method of approaching fertiliser and other agronomical questions can be well illustrated by recent progress in field experiments on cotton under irrigation at the Gezira Research Farm in the Sudan." Results of experiments are discussed: p.181-182.

Flyorov, K.V. On the importance of agrotechnical measures improving the heat regime of the soil under cotton. Bulletin of Applied Botany, of Genetics and Plant-Breeding, v.26, no.5, 1931, p.117-128. illus. (Published at Leningrad, U.S.S.R.)

In Russian.

India. Bihar and Orissa. Annual report on experimental farms...1929-30. Bihar and Orissa, Patna, Superintendent, Govt. printing, 1931. 390 p. tables.

Mentions unsuccessful attempts to raise cotton on two of the farms, probably due to too much rain: p.335-336, 363.

Jagannatha Rao, C. The effect of time of planting on some economic characters of the cotton plant. Madras Agricultural Journal, v.20, no.4, Apr.1932, p.119-138. (Published by M.A.S.Union, Agricultural College and Research Institute, Coimbatore, S.India)

Kuprianov, I.M. Cotton growing in the new regions in 1930. Bulletin of Applied Botany, of Genetics and Plant-Breeding, v.26, no.5, 1931, p.95-106. (Published at Leningrad, U.S.S.R.)

In Russian.

Overpeck, J.C., and Conway, W.T. Cotton investigations. State College, N.M., 1932. 13 p. tables. (N.M.Agr.Exp.Sta.Bul.201)

Reports results of experiments conducted to "de-

termine the best practices as to planting, spacing, fertilizing, topping, and other cultural features" for New Mexico.

Prassolov, L.I. Short survey of the soils in the new cotton growing regions, in the south and the south-east of USSR. Bulletin of Applied Botany, of Genetics and Plant-Breeding, v.26, no.5, 1931, p.107-116. (Published at Leningrad, U.S.S.R.)
In Russian.

Tiedjens, Victor A. Growing cotton and other crop plants with ammonium nitrogen. Science, v.75, no. 1955, June 17, 1932, p.648. (Published by the Science Press, Lancaster, Pa.)

"Journal Series, paper of the New Jersey Agricultural Experiment Station, Division of Horticulture."

Diseases and Insects

Grossman, E.L. Control of cotton insects. Florida Agricultural Experiment Station Report no.45, June 30, 1931, p.67-68. (Published at Gainesville, Fla.)

India. Central provinces and Berar. Dept. of agriculture. Report for the year ending the 31st March 1931. Nagpur, Govt. press, 1932. 54 p.
Cotton: p.25-30.

Report on the entomological section, by K.R. Son-takay: p.43-46. Reports research and investigations of aphids on cotton and pink boll-worm.

Extracts in Indian Trade Journal, v.105, no. 1350, May 5, 1932, p.283.

Isely, Dwight. Abundance of the boll weevil in relation to summer weather and to food. Fayetteville, Ark., 1932. 34 p. illus. (Ark. Agr. Exp. Sta. Bul. 271)

Literature cited: p.31-34.

Kellerman, Karl F. Ozonium root-rot--a problem of the eradication of a soil-infecting fungus. Journal of Economic Entomology, v.25, no.3, June 1932, p.433-434. (Published at Geneva, N.Y.)

Leonard, M.D. The pink bollworm of cotton in Porto Rico. Journal of the Department of Agriculture

of Puerto Rico, v.16, no.1, Jan.1932, p.65-73.
illus. (Published at Insular Experiment Station,
Rio Pedras, P.R.)

Lugard, W.J. Les maladies du coton. Agriculture et
Elevage au Congo Belge, v.6, no.8, June 11, 1932,
p.85-87. (Published at 34, Rue de Stassart, Brussels,
Belgium)
Diseases of cotton.

Mathur, R.N. Leaf-curl of cotton in garden zinnias
in North India. Nature, v.129, no.3265, May 28,
1932, p.797. (Published by Macmillian and Co.,
St. Martin's St., London, W.C.2, England)
Carried by Bemisia gossypiperda, disease of zinnias
identical with this and carried by same vector.

Memorandum on the cotton situation in Barbados. Barbados,
Dept. of Science and Agriculture, Agricultural Jour-
nal, v.1, no.1, Jan.1932, p.63-64. (Published at
Bridgetown, Barbados, B.W.I.)
Advocates a close season of one year in four to
control pink bollworm effectively.

Ryabov, M.A. Chief diseases and insect pests of cot-
ton in the new regions. Bulletin of Applied Botany,
of Genetics and Plant-Breeding, v.26, no.5, 1931,
p.3-82. illus. (Published at Leningrad, U.S.S.R.)
In Russian.

Farm Engineering

Carter, Deane G., and Whitaker, E.B. Effect of machine
method on stand of cotton. Agricultural Engineering,
v.13, no.5, May 1932, p.119. table. (Published by
American Society of Agricultural Engineers, Saint
Joseph, Michigan)

"Production with large machines and large power
units has no adverse effect on stands of cotton, as
evidenced by one year's study made by the Arkansas
Agricultural Experiment Station at the Cotton Branch
Station."

Ushakov, S.I. Khlopkouborochniue mashiniu. Za
Khlopkovuiu Nezavissimost, no.8/9, Aug./Sept. 1931,
p. 16-21. illus. (Published at Moscow, U.S.S.R.)
Cotton harvesting machinery.

Zhuravlev, I.A. Kak uluchshit ruchnoi sbor khlopka. Za Khlopkovuiu Nezavissimost, no.8/9, Aug./Sept.1931, p.21-22. (Published at Moscow, U.S.S.R.)
How to improve the hand-picking of cotton.

PREPARATION

Ginning

Ginning is a manufacturing process. Acco Press, v.10, no.6, June 1932, p.4-5. (Published by Anderson, Clayton and Co., Houston, Tex.)

"Third of a series of articles dealing with the relationship existing between farmer, ginner and spinner...This article deals with ginning as the first step in the process of manufacturing cotton into cloth."-Editor's note.

Also in Cotton and Cotton Oil News, v.33, no.22, May 28,1932, p.5.

Also in Cotton Digest, v.4, no.38, July 2,1932, p.7.

Thompson, John C. Relationship of the cotton ginner and the cotton oil miller. Cotton and Cotton Oil News, v.33, no.25, June 18,1932, p.3-4. (Published at 3116-18 Commerce St., Dallas, Tex.)

Address delivered at the Texas Cottonseed Crushers' Convention, Galveston, Texas, June 7,1932.

The trend in cotton mills. Cotton Trade Journal, v.12, no.24, June 18,1932, p.2. (Published at New Orleans, La.)

Discusses needed improvements in methods of ginning and stapling cotton. "We have come to the point that it is extremely likely that the cotton mill operator will have to interest himself actively in the control of" preliminary handling problems.

Baling

Egyptian government announces experiments in cotton bagging. Cotton Trade Journal, v.12, no.25, June 25,1932, p.4. (Published at New Orleans,La.)

"From the recent announcement by the Cotton-Textile Institute that the Egyptian Government is now giving official sanction to experiment with cotton bagging for Egyptian cotton."

Also in Southern Textile Bulletin, v.42, no.17, June 23,1932, p.13.

MARKETING

Demand and Competition

Allen, M.I. United States production and export of cotton yarn. Cotton-goods mills in the United States produced 2,887,519,000 pounds of cotton yarn, of which 627,505,000 pounds represented yarns spun for sale--In 1931 exports of American cotton yarns amounted to 14,272,000 pounds and in 1930 to 18,131,000 pounds. Commerce Reports, no.26, June 27, 1932, p.764-765. tables. (Published by Bureau of Foreign and Domestic Commerce, U.S. Department of Commerce, Washington, D. C.)

Barnwell, Mildren Gwin. King cotton syndicate. Cotton Trade Journal, v.12, no.22, June 4, 1932, p.3. (Published at New Orleans, La.)

"This organization is prepared to furnish information, to individuals as well as to manufacturers, regarding the wants of the buying public as to cotton, the needs of the consumer of cotton and the possibilities of cotton promotional work." It is located in Gastonia, N.C.

Die baumwollindustrie Asiens. Spinner und Weber, v.50, no.19, May 6, 1932, p.18-20. (Published at Gellerstrasse 7/9, Leipzig, Germany)

To be continued.

Cotton industry of Asia (British India, China, Japan).

Burnett-Hurst, A.R. Lancashier's lost Indian trade. Indian Textile Journal, v.42, no.499, Apr. 1932, p.217-218. (Published at Military Square, Fort, Bombay, India)

Extracts from address at meeting of Royal Statistical Society in London and from the discussion.

Cheatham, Robert J. A comparison of the practical uses of cotton and jute. Southern Textile Bulletin, v.42, no.14, June 2, 1932, p.3-4, 7. (Published by Clark Publishing Co., 18 West Fourth St., Charlotte, N.C.)

Address before the annual meeting of the American Cotton Manufacturers' Association, at Atlanta, Ga., May 20-21, 1932.

"Only a beginning has been made in the effort

to learn how cotton compares with its competing fibers in such respects as strength, elasticity, cohesiveness and durability and in its resistance to disintegration under the influence of light, heat and moisture."

Extracts in Textile World, v.81, no.22, May 28, 1932, p.1862-1863.

Cobb, C.A. Jute, an enemy of cotton. Progressive Farmer and Southern Ruralist (Ga.-Ala.ed.), v.47, no.12, June 15-30, 1932, p.3, 17. illus. (Published at Birmingham, Ala.)

Discusses advantages of cotton bagging.

Coleman, Arch F. Mexico offers limited market for finer-count cotton yarns. Bulk of Mexico's requirements for cotton yarns supplied by domestic production, but limited quantities of the finer counts of combed yarns, both mercerized and nonmercerized, are imported. Commerce Reports, no.25, June 20, 1932, p.682-683. (Published by Bureau of Foreign and Domestic Commerce, U.S. Department of Commerce, Washington. D.C.)

La consommation industrielle du coton, en France, pendant les 30 dernières années. Agronomie Coloniale, v.21, no.172, Apr. 1932, p.132-133. (Published at Paris, France)

Industrial consumption of cotton in France during the past 30 years.

Signed: C.C.

Cotton trade re-organisation. Joint committee's plans for the spinning section. Textile Mercury and Argus, v.86, no.2252, May 13, 1932, p.436. (Published at 41, Spring Gardens, Manchester, England)

Discusses the plan "of the Joint Committee of Cotton Trade Organisations for concentrating production in the spinning section of the Lancashire cotton industry by the elimination of surplus capacity."

Economic importance of American cotton production. Guaranty Survey, v.12, no.1, Apr. 25, 1932, p.8-9. diagrs. (Published by the Guaranty Trust Company of New York, 140 Broadway, New York, N.Y.)

"The people of a vast area of this country are dependent on cotton for their livelihood; the soundness of the credit facilities of their financial

institutions is closely tied up with their welfare, and the finances of several States are related to their tax-paying ability."

Egyptian cotton spinners' scheme. Resisting ruinous price cutting. Textile Weekly, v.9, no.223, June 10,1932, p.340. (Published at 49, Deansgate, Manchester, England)

"The special committee known as the Egyptian Cotton Spinners' Emergency Committee...has now issued an important quota scheme for regulating production according to demand in order to sell yarn only at profitable rates...All firms in the fine spinning trade have been asked to vote on the scheme."

Flake, Wilson C. British India's purchases of foreign cotton cloth decline. Commerce Reports, no.26, June 27,1932, p.766. (Published by Bureau of Foreign and Domestic Commerce, U.S.Department of Commerce, Washington, D.C.)

French quota on cotton goods. Lancashire mission in endeavour for favourable terms. Manchester Chamber of Commerce Monthly record, v.43, no.5, May 31,1932, p.131. (Published at Ship Canal House, King St., Manchester, England)

"The French scheme for the limitation of imports of cotton goods by a system of quotas came into force commencing with the month ending 20th April, 1932."

Gt.Britain.Dept. of overseas trade. Conditions and prospects of United Kingdom trade in India 1930-31 (Revised to August,1931) Report by Thomas M.Ainscough. London, H.M.Stationery office, 1932. 247 p. tables.

Cotton piece-goods: p.63-73. Japanese competition is discussed.

Cotton textiles: p.139-168. Is "detailed examination" of the trade "with special reference to changes in the character, volume and origin of the imports during the fiscal year."

Reviewed in International Cotton Bulletin, v.10, no.39, Apr.1932, p.440-441.

Gt.Britain.Dept. of overseas trade. Economic conditions in Canada 1931. Report by F.W.Field. London, H.M.Stationery office, 1932. 294 p. tables.

Cottons: p.115-134. Tables give production of

the cotton textile industry in Canada; imports of raw cotton; imports of cotton goods; comparative position of imports of raw cotton and manufactured goods, "showing the United Kingdom share" and that of the United States.

Reviewed in Textile Weekly, v.9, no.222, June 3, 1932, p.306.

Gt.Britain.Dept. of overseas trade. Economic conditions in the Argentine republic. October 31st, 1931. Report by Keith Jopson. London, H.M.Stationery office, 1932. 147 p. tables.

Cotton piece-goods: p.50-51. "Conditions which have prevailed in the cotton piece-goods trade this year could scarcely have been more adverse...The most serious competition in cotton piece-goods is at present to be met from Italy and Japan."

Cotton: p.94. "Exports of cotton in the year 1930 amounted to 27,597 tons against 23,597 in the previous year." Importation of cotton seed is also discussed.

Reviewed in Textile Manufacturer, v.58, no.688, Apr.1932, p.135.

Hwang, Ting-hsien. China's cotton trade. Chinese Economic Journal, v.10, no.4, Apr.1932, p.287-303. (Published at Shanghai, China)

Author's name in contents: Tinghsien Huang.

Kilcoin, William L. Market for cotton yarns in the United Kingdom. British spinning industry worked on an average of 58 per cent of capacity during 1931--Output of yarn declined from 1,393,761,000 pounds in 1924 to 1,031,080,000 in 1930--Exports of yarn in 1931 lowest since 1918. Commerce Reports, no.22, May 30, 1932, p.516-518. tables. (Published by Bureau of Foreign and Domestic Commerce, U.S.Department of Commerce, Washington,D.C.)

Knowland, Richard G. Important factors affecting the future of the textile industry. American Dyestuff Reporter, v.21, no.10, May 9, 1932, p.303-304. (Published by Howes Publishing Co., 440 Fourth Ave., New York, N.Y.)

Address at Textile Forum of National Association of Cotton Manufacturers, Boston, Mass., Apr.15, 1932.

"Of all single important manufacturing points to be kept in mind today, none is more important than to follow consistently, the policy of never...producing goods at a rate greater than the rate of sales."

Kops, Paul F., Christopherson, C.E., and Venator, Louis C. China's production and trade in cotton yarns. Cotton-yarn production totaled 952,269,000 pounds during 1931, an increase of 3,601,000 pounds as compared with 1930--Major part of output of yarn used for weaving on hand looms--Cotton-yarn imports declined during 1930. Commerce Reports, no.24, June 13,1932, p.632-634. (Published by Bureau of Foreign and Domestic Commerce, U.S.Department of Commerce, Washington, D.C.)

The long staple cotton position. Lancashire and Russian supplies. Textile Weekly, v.9, no.221, May 27, 1932, p.281. tables. (Published at 49, Deansgate, Manchester, England)

Tables give imports of long and short staple cotton into Gt.Britain, by country of origin, for 1928, 1929, and 1930; and consumption of American, Russian and other cotton, January and July, 1929, 1930, and 1931, and January 1932.

Ob organizatsii khlopkozagotovitel'noi kampanii 1931 g. Postanovlenie sredazbiuro TSK VKP(b) ot 23 Iiulia 1931 g. Za Khlopkovuiu Nezavissimost, no.8/9, Aug./Sept.1931, p.1-3. (Published at Moscow, U.S.S.R.)

The organization of the cotton procuring campaign 1931. The decree of the Central Asiatic Bureau of the Central Committee of the Communist Party, July 23, 1931.

"Raro." Revival of bi-metallism? Silver and the cotton trade. Textile Weekly, v.9, no.223, June 10, 1932, p.329-330. chart. (Published at 49, Deansgate, Manchester, England)

Comment from the point of view of the cotton trade on the debate in the British House of Commons on the inclusion of silver in the Exchange Equalization Fund. Chart shows world trade in silver.

Recent developments in the Japanese cotton textile industry. Foreign Crops and Markets, v.24, no.18, May 2,1932, p.692-698. (Published by Division of Foreign Agricultural Service, Bureau of Agricultural Economics, U.S.Department of Agriculture, Washington, D.C.)

Università Bocconi di Milano. Prospettive economiche ...1931. By Giorgio Mortara. Milan, 1931. 500 p. Cotone: p.147-185.

Production and consumption of cotton with special reference to cotton trade and manufacture in Italy.

Supply and Movement

India. Bombay presidency. Dept. of agriculture. Season and crop report for the year 1929-30. Bombay, 1931. 113 p.

The cotton crop is reported.

Jordan, Harvie. Facts about expansion of cotton growing in Soviet Russia and its competition with the American staple. Southern Cultivator, v.90, no.1, May 1, 1932, p.2. (Published by Constitution Publishing Co., Box 1731, Atlanta, Ga.)

Prices

"An analysis of cloth prices"--a reply. Indian Textile Journal, v.42, no.499, Apr. 1932, p.219. table. (Published at Military Square, Fort, Bombay, India)

Reply to an article by M.D. Altekhar which appeared in the Indian Textile Journal for Feb. 1932. Challenges the suggestion that "the fall in the price of raw cotton in recent years has not been fully reflected in the prices of cotton manufactures in India."

Marketing and Handling Methods and Practices

McWhorter, Clyde C., and Ellis, L.S. Sale of cotton in the seed in Oklahoma. Current Farm Economics, v.5, no.3, June 1932, p.33-35. table. (Published by the Oklahoma Agricultural Experiment Station, Stillwater, Okla.)

Also in Oklahoma Cotton Grower, v.12, no.16, June 10, 1932, p.4.

Services and Facilities

Arkansas cotton trade association. By-laws, membership rules and trading rules covering Arkansas and Missouri. Revised at Little Rock, Arkansas, to April 9, 1932. Little Rock, 1932. 19 p.

Fire equipment rules for cotton carriers. Weekly Underwriter and the Insurance Press, v.126, no. 17, Apr. 23, 1932, p.940-941. (Published at 80 Maiden Lane, New York, N.Y.)

Gives new rules of the Board of Underwriters of New York regarding fire extinguishing apparatus on motor and steam vessels carrying cotton.

*Sherman, Caroline B. Accuracies and refinements in standardization. Journal of Home Economics, v.23, no.12, Dec.1931, p.1114-1117. (Published at 101 East 20th St., Baltimore, Md.)

"Color is an important factor in the standardization of several commodities...

"The greatest progress in the color studies has been made in connection with cotton, hay, and honey. In the case of cotton, for instance, the problem is being attacked in three of its phases to discover the conditions under which the colors of cotton are stable or are unstable, the relative stability under various conditions of the different colors, and the extent of the changes that take place." Refers to work of the U.S.Bureau of Agricultural Economics.

Stone, A.J. Exchange official explains results of rate conference. Carload rates proposed at Hot Springs meeting last Monday. Cotton Digest, v.4, no.34, June 4,1932, p.3. (Published at Houston, Tex.)

Report of conference between railroad representatives and representatives of shippers, compressors and others interested in cotton traffic, held at Hot Springs, Ark., May 24,1932, regarding railroad freight rates.

Cooperation in Marketing

Bealle, Morris A. Cotton and politics. Cotton Trade Journal, v.12, no.23, June 11,1932, p.4,6. (Published at New Orleans, La.)

Reprinted from "Plain Talk," for Apr.1932.
Criticism of the Federal Farm Board.

Butler, Tait. What greater need has the American farmer today than the spirit of "fight"? Progressive Farmer and Southern Ruralist, v.47, no.9, May 1-14, 1932, p.4. (Published at Birmingham, Ala.)

Replies to arguments against cooperative marketing of cotton.

Members hold annual meeting. Georgia Cotton Pool News, v.1, no.76 [i.e.84], May 1932, p.1-4. (Published at 746 West Glenn St., S.W.,Atlanta,Ga.)

Meeting of the Georgia Cotton Growers Co-operative Association, Atlanta, Ga., Apr.19,1932. Includes report of President J. E. Conwell and addresses by J. Phil Campbell, E. F. Creekmore and A. F. Lever.

Shulimov, N.V. Zadachi khlopkovoi kooperatsii. Za Khlopkovuiu Nezavissimost, no.8/9, Aug./Sept. 1931, p.27-29. tables. (Published at Moscow, U.S.S.R.) Problems of the cotton cooperatives.
Gives decisions of the 16th party conference regarding the reorganization of cotton cooperatives.

Stewart, A.D. What is co-operative marketing? Mississippi Co-op News, v.3, no.11. June 1932, p.4. (Published at 236 1/2 E. Capitol St., Jackson, Miss.) Discusses work of the Federal Farm Board and mentions cost of handling cotton.

UTILIZATION

Fiber. Yarn and Fabric Quality

Ahmad, Nazir. Spinning tests on mixings of long staple and short staple Indian cottons. Bombay, Times of India press, 1932. 21 p. tables. (India. Indian central cotton committee. Technological laboratory. Tech.bul., Ser.A, no.20)

"The observation made above that diminution in the strength of yarns spun from a mixture of two dissimilar cottons is directly proportional to the amount of the short staple component gives us a useful working rule which may be applied either to infer the spinning performance of a mixture of known composition or to estimate the composition of a general mixture."- General conclusions.

Bergen, W. V. Measurement of fiber widths by the wedge method. Melliand Textile Monthly, v.4, no.3, June 1932, p.182-184. illus. (Published at 305 Washington St., Brooklyn, N.Y.)

To be continued.

"In this article the best methods which have been adopted by the British Industries Wool Research Association in order to ascertain accurately a grade of wool by mechanical and scientific means are discussed."

Dilling, Marshall. A study of the 1931 American cotton crop. Arkwright Journal, v.2, no.2, Apr.-May-June 1932, p.3-8. tables. (Published at the Johnston Bldg., Charlotte, N.C.)

"The following study of the 1931 long staple cotton crop...shows that breaking strength of yarns spun from this cotton is below the standard of previous crops."

Also in Southern Textile Bulletin, v.42, no.16, June 16, 1932, p.3-5. tables.

Hönsch, Werner. Die unlöslichkeit von zellulose in konzentrierten neutralsalzlösungen. Melliand Textilberichte, v.12, no.2, Feb.1932, p.84. (Published at Heidelberg, Germany)

Insolubility of cellulose in concentrated neutral salt solution.

A summary of the author's dissertation.

Describes adsorption of neutral salts by cotton.

Jameson, C.W. Foretelling color fastness with an artificial sun. American Dyestuff Reporter, v.21, no.10, May 9, 1932, p.306-313. illus. (Published by Howes Publishing Co., 440 Fourth Ave., New York, N.Y.)

Address presented at meeting of the New York Section of the American Association of Textile Chemists and Colorists at Paterson, N.J., Apr.22, 1932.

Discusses applications of the Fade-Ometer.

Kauffman, Hugo. Über katalytische faserangriffe. Zeitschrift für Angewandte Chemie, v.44, no.42, Oct.17, 1931, p.858-860. (Published by Verein Deutscher Chemiker, Berlin, W 10, Germany)

Concerning catalytic attack on fibers.

"Facts concerning the deterioration of cotton during bleaching when metallic impurities are present."-From summary in Textile Colorist, v.54, no.638, Feb. 1932, p.103.

Abstract in Society of Dyers and Colourists Journal, v.48, no.1, Jan.1932, p.18-19.

Khouvine, Y., Champetier, G., and Sutra, R. Étude aux rayons X de la cellulose d'*Acetobacter xylinum*. Comptes Rendus de l'Academie des Sciences, Paris, v.194, no.2, Jan.11, 1932, p.208-209. illus. (Published by Gauthier-Villars et Cie, Quai des Grands-Augustins, 55, Paris, France)

"Membranes formed by *Acetobacter xylinum* on glycerin, sorbitol, and other polyhydric alcohols give X-ray diagrams identical with those of cotton linters. The cellulose of *Acetobacter xylinum* is more resistant to chemical reagents than cotton cellulose."-Textile Institute, Journal, v.23, no.5, May 1932, p.A290.

King, W. Basic & practical textile research. Activities in the Textile division, Ontario Research foundation. Canadian Textile Journal, v.48, no.50, Dec. 10, 1931, p.15-16. (Published at 1434 St. Catherine St., W., Montreal, Que.)

"Outlines the nature of the fundamental and prac-

tical textile research already accomplished." Subjects treated are automobile fabrics research, regain tests, strength tests, strength and elongation of yarn.

Organize Gaston county division of Southern textile association. Southern Textile Bulletin, v.42, no.16, June 16, 1932, p.5-6, 8. (Published by Clark Publishing Co., 18 West Fourth St., Charlotte, N. C.)

Report of first meeting of division formed June 10, 1932, in Gaston county, North Carolina.

Discussion of Marshall Dilling's report on the quality of the 1931 crop.

Also in Arkwright Journal, v.2, no.2, Apr.-May-June, 1932, p.11-14.

Die relative und absolute dauer der webstoffe. Mel-liand Textilberichte, v.13, no.4, Apr. 1932, p.188-191. (Published at Heidelberg, Germany)

"Studien des Laboratoriums Serivalor."

The relative and absolute durability of fabrics.

"The dynamometer fails to give reliable results because: (1) The resistance time is an erroneous idea which does not correspond to the actual tenacity; and (2) The actual tenacity has no significance with respect to the durability. It is stated that durability depends rather on resistance to a whetting or rubbing action. A method of measurement was worked out. It is stated durability of a cloth depends on four qualities: (a) hardness; (b) elasticity; (c) smoothness; and, (d) linkage, or weave. Cotton and linen display hardness; wool displays elasticity while silk manifests smoothness. Anything which diminishes any of these properties diminishes the durability. Hardness is most important. Short fibers reduce the elasticity as well as frequently the smoothness. The relative durability of five fibers is given: cellulose, 1; silk, 5; wool, 30; linen, 57; and cotton, 129."-Abstract by C.M. Conrad.

Schmidt, Erich, Simson, Wilhelm, and Schnegg, Robert. Das mindest-äquivalent von B-cellulose, tunicin, cellulose der baumwolle. Naturwissenschaften, v.19, no.50, Dec. 11, 1931, p.1006-1007. (Published by Julius Springer, Berlin W 9, Germany)

"The least equivalent of B-cellulose, tunicin and cotton (Indian and American) cellulose is $96 \text{ C}_6\text{H}_{10}\text{O}_5$, the same as for cellulose derived from deciduous and coniferous trees."-Textile Institute. Journal, v.23, no.5, May 1932, p.A293.

Abstract also in Chemical Abstracts, v.26, no.5, Mar.10,1932, p.1436.

Slater, F.P. The significance of results in textile testing. Textile Manufacturer, v.58, no.690, June 1932, p.231-232. tables. (Published by Emmott and Co., Ltd., 65, King St., Manchester, England)

Paper read at the Textile Institute Annual Conference, at Leamington Spa, England, May 20, 1932.

Discusses the necessity for the use of statistical methods in expressing real variations in the material, and the requirements for making up samples for testing.

Extracts in Textile Weekly, v.9, no.221, May 27, 1932, p.292-294.

Strong, John H. Construction of doubled and fancy yarns. Textile Mercury and Argus, v.86, no.2249, Apr.22, 1932, p.371. illus. (Published at 41, Spring Gardens, Manchester, England)

To be continued.

Describes counts and cottons used for certain doubled and fancy yarns.

Wagner, Walter. Zur unterscheidung von textilfasern. Melliand Textilberichte, v.12, no.12, Dec.1931, p.763-765. illus; v.13, no.1, Jan.1932, p.29-31; v.13, no.2, Feb.1932, p.79-82. (Published at Heidelberg, Germany)

"A general account is given of optical, chemical, and a physical method of differentiating textile fibres, and the use of a new reagent, Neocarmine W, is described in detail. The reagent is an improvement on the Picrocarmine K and Picrocarmine S previously described; it gives characteristic colours for a wide range of fibres and is stable. Its use in fibre differentiation is simple and quick. The reagent will distinguish between mercerised and non-mercerised cotton and give some indication, but not sufficient for general use, of the degree of mercerisation. Neocarmine also gives a well-defined reaction with oxycellulose; a normal fabric gives a greenish to blue colour according to the degree of bleaching, whilst in the presence of oxycellulose the colour is red. Fabrics containing hydrocellulose dye somewhat like normal cotton fabrics, so the reaction can to some extent be used to differentiate between oxy- and hydro-cellulose." Textile Institute Journal, v.23, no.5, May 1932, p.A280-A281.

Technology of Manufacture

Barnard, Albert D. Cotton drafts and twists. Their effect on production. Textile World, v.81, no.23, June 1932, p.1996-1997. illus., tables. (Published by Bragdon, Lord and Nagle Co., Inc., 330 West 42d St., New York, N.Y.)

"The proper regulation of drafts in a spinning plant, assuming that the machines have been arranged to permit the most convenient and efficient operation, should be given first consideration by the mill management. The only factor which ranks ahead of machine layout and the regulation of drafts is the selection of cotton, as this factor governs the quality of the product and also the possible output of the machinery ...Several practical production formulas, such as those given below, will be helpful in the preparation of an organization sheet for any weight or kind of goods."

Estey, A. C. Special finishes for cotton piece goods. Textile Colorist, v.54, no.642, June 1932, p.387-388. (Published at Woolworth Bldg., 233 Broadway, New York, N.Y.)

Haven, George Bartholomew. Mechanical fabrics. A treatise upon their manufacture, construction, testing and specification. N.Y., John Wiley and sons, inc., 1932. 905 p. illus., tables.

Discusses types of mechanical fabrics: desirable characteristics of fabric materials; physical characteristics of various fibers; manipulation of cotton fiber in manufacture; character of yarn; fabric; design and equipment of laboratories; textile laboratory practice; specifications and tolerances; textile microscopy; textile mill organization; arrangement and driving of textile machinery.

The improved automatic spooler and "super-speed" warper. Cotton, v.96, no.6, June 1932, p.35-38. illus. (Published by W.R.C.Smith Publishing Co., Dalton and Atlanta, Ga.)

"The chief features are increased warping speed by warping from stationary chasses, over-end; and increased production per spooler unit."

Landau, Alfred K. Modern opening and picking processes. Blending, proper preparation of stock. Textile American, v.57, no.6, June 1932, p.17-[20] illus. (Published at 440-442 Old South Bldg., Boston, Mass.)

To be continued.

Levé, B. Sous quelles formes doit-on tiendre et blanchir le coton? Tiba, v.10, no.1, Jan.1932, p.21-27; no.2, Feb.1932, p.121-127. (Published at 61, Avenue Jean-Jaurès, Paris, France)

"Methods of bleaching and dyeing cotton in the form of raw cotton, card slivers, hanks, bobbins, spools, warps and cloth are reviewed, and the advantages and disadvantages of treatment at the different stages are discussed."-Textile Institute, Journal, v.23, no.5, May 1932, p.A267.

Martin, H.D. Preparing raw cotton for colored goods manufacturing. Textile Colorist, v.54, no.642, June 1932, p.394,425. (Published at Woolworth Bldg., 233 Broadway, New York, N.Y.)

Explains importance of special picker room equipment and opening department management to prepare the stock in the best way possible.

Opinions as to the causes of neps. Cotton, v.96, no.6, June 1932, p.82-83, 85. (Published by W.R.C.Smith Publishing Co., Dalton and Atlanta, Ga.)

Letters to the Editor.

Peterson, A.R., and Holmes, W.C. Certain correlations between the constitution of dyes and their color intensity. Journal of Physical Chemistry, v.36, no.2, Feb.1932, p.633-641. tables. (Published at 654 Madison Ave., New York, N.Y.)

200th contribution from the Color and Farm Waste Division, Bureau of Chemistry and Soils, U.S. Department of Agriculture, Washington, D.C.

"It seems evident that both major and minor constitutional variations in dyes have, in general, a definite effect upon color intensity."

Technology of Consumption

Carmichael, P.A. El algodon en la fabricacion de la seda artificial. Hacienda, v.27, no.6, June 1932, p.216-217. illus. (Published at 20 Vesey St., New York, N.Y.)

Cotton in the manufacture of artificial silk.

Kist, J. Die verwendung von baumwoll-abfällen für mistbeete. Möllers Deutsche Gärtner-Zeitung, v.47, no.16, June 1,1932, p.183-184. (Published at Erfurt, Germany)

Use of cotton waste for hotbeds.

SEED AND SEED PRODUCTS

Fertig, George J. The development of scientific research in the south. Science, v.75, no.1954, June 10, 1932, p.595-599. (Published by the Science Press, Lancaster, Pa.)

Includes mention of research in production of rayon, paper and cottonseed products.

Hilditch, Thomas Percy, and Jones, Edwin Charles. The component glycerides of partially hydrogenated fats. Part I. The alterations in glyceride structure produced during progressive hydrogenation of olive and cottonseed oils. Chemical Society, Journal, Mar. 1932, p.805-820. tables. (Published at Burlington House, London, W 1, England)

Melcy, Guy S. Standard grading of cotton seed and linters. Cotton Oil Press, v.16, no.2, June 1932, p.23-24. (Published by Interstate Publishing Co., Memphis, Tenn.)

Address given at 26th annual convention of the National Cottonseed Products Association at New Orleans, La., May 16-17, 1932.

Also in Cotton and Cotton Oil News, v.32, no.22, May 28, 1932, p.12.

[National cottonseed products association, inc.] Thirty-sixth annual convention...New Orleans, May 16 and 17, 1932. Abstract of proceedings--including principal addresses and reports. Cotton Oil Press, v.16, no.2, June 1932, p.9-30, 35-41. (Published by Interstate Publishing Co., Memphis, Tenn.)

Includes the following addresses: The situation of food fats and oils, by F.E.Mollin: p.18-21.--Standard grading of cottonseed and linters, by G.S. Melcy: p.23-24.--Experiments on cottonseed and cottonseed milling, by M.K.Thornton, jr.: p.35-36.

Official U.S.cottonseed grades. Cotton Oil Press, v.16, no.2, June 1932, p.45-46. (Published by Interstate Publishing Co., Memphis, Tenn.)

"Public notice establishing the grades, methods of sampling, analyzing and grading cotton seed sold or offered for sale for crushing purposes within the United States," issued by the Secretary of Agriculture, May 23, 1932.

Also in Oklahcma Cotton Grower, v.12, no.17, June 25, 1932, p.2; in Texas Co-operative News, v.12, no.12, June 15, 1932, p.5; in Mississippi Co-op News, v.3,

no.11, June 1932, p.5; in Cotton and Cotton Oil News, v.33, no.25, June 18,1932, p.7; in American Ginner and Cotton Oil Miller, v.9, no.10, June 1932, p.9, 17; and in Cotton Digest, v.4, no.38, July 2,1932, p.6.

Overcapacity ruins the profits. The plight of the cottonseed oil industry holds a lesson for all food manufacturers. Food Industries, v.4, no.3, Mar. 1932, p.103-105. illus. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42d St., New York, N.Y.)

"Based in part on a report of National Cottonseed Products Association, Inc.," entitled "Facts about a Great Exclusively Southern Industry--Cottonseed."

"While the cottonseed crop was doubling, the per cent of the crop that was crushed grew from 9 to 79, or from 270,000 to 5,083,650 tons. This growth has been in response to a demand for the products, so that it is safe to say that at present there is no overproduction."

Resolutions introduced by Mr. Ed Woodall and passed by the Texas Cotton seed crushers' ass'n in convention at Galveston, June 7,1932. Cotton and Cotton Oil News, v.33, no.25, June 18,1932, p.9. (Published at 3116-18 Commerce St., Dallas, Tex.)

Resolutions concern Philippine independence and vegetable oil tariff.

Thomas, E.L. Timely and pertinent facts in reference to cottonseed and other vegetable oils. Cotton and Cotton Oil News, v.33, no.24, June 11,1932, p.3,21. (Published at 3116-18 Commerce St., Dallas, Tex.)

Discusses consumption of various vegetable oils.

Thornton, M.K. Results of experiments on cotton seed and cottonseed milling. Cotton and Cotton Oil News, v.32, no.22, May 28,1932, p.13-14. (Published at 3116-18 Commerce St., Dallas, Tex.)

Address at 26th annual convention, National Cottonseed Products Association in New Orleans, La., May 16-17,1932.

Describes results of temperature and moisture experiments connected with the cooking of cottonseed meats.

Also in Cotton Oil Press, v.16, no.2, June 1932, p.35-36.

Whitaker, E.B. Common problems of growers and seed crushers. Cotton Oil Press, v.16, no.2, June 1932, p.49,51,53. (Published by Interstate Publishing Co., Memphis, Tenn.)

Address at meeting of Valley Division, National Cottonseed Products Association, Hot Springs, Ark., Apr.12, 1932.

"The cottonseed crushers of the South could do more than any other organization to educate the producers to the importance of growing the right variety and strain of cotton."

LEGISLATION. REGULATION AND ADJUDICATION

Blame labor laws for textile losses. Southern Textile Bulletin, v.42, no.17, June 23, 1932, p.12-13. (Published by Clark Publishing Co., 18 West Fourth St., Charlotte, N.C.)

Extracts from study made for the Massachusetts Industrial Commission.

Woodall, Ed. Utility control urged by Woodall as final solution. Cotton Ginners' Journal, v.3, no.9, June 1932, p.5,10. (Published by Texas Cotton Ginners' Association, Inc., Dallas, Tex.)

Urges government regulation of the ginning industry.

MISCELLANEOUS---GENERAL

Brazil. Ministry of labour, industry and commerce. National dept. of commerce. Brazil of today: Natural wealth, economic forces, progress. Rio de Janeiro, 1931. 214 p. illus., tables.

Cotton: p.18-23. Discusses development of cotton culture and industry in Brazil and classification of Brazilian cotton. Tables show properties of the Lone Star, Moco and Sea Island varieties grown in Brazil; production, exportation and consumption in Brazil, 1900-1930; area, 1921-1931; production by the various Brazilian states, 1929-30 crop.

Textiles: p.132-134. Tables give imports and exports, 1918-1930; production of textiles, 1924/25-1928/29; number of mills in 1929; consumption of bales of Brazilian cotton by principal industrial countries.

Gibson, J.J. The field for the textile chemist. Textile Colorist, v.54, no.637, Jan.1932, p.13-16. (Published at the Woolworth Bldg., 233 Broadway, New York, N.Y.)

Work which the chemist may do in the cotton, rayon, wool and silk industries is pointed out.

Lopes, A. Propaganda e educação algodoeira. Campo, v.3, no.3, Mar.1932, p.21-22. (Published at Rio de Janeiro, Brazil)

Cotton propaganda and education.

Piani, G. Le piante tessili della Cirenaica. Contributo allo studio della utilizzazione di alcune piante spontanee e coltivate, con dati colturali sul lino e sul cotone. Rassegna Economica della Colonie, v.20, no.1/2, Jan./Feb., 1932, p.61-102. illus. (Published by Ministero delle Colonie, Rome, Italy)

The textile plants of Cyrenaica. Contribution to the study of the utilization of some native and cultivated plants, with cultivation data about flax and cotton.

[Textile Institute] Annual conference. Textile Institute, Journal, v.23, no.5, May 1932, p.P73-P93. (Published at 16, St.Mary's Parsonage, Manchester, England)

Proceedings of annual conference of the Textile Institute, Leamington Spa, May 18th-20th, 1932, including address by Dr.S.G.Barker on work of the Institute, and Mather lecture by Sir Michael Sadler entitled "Liberal Education and Modern Business."

Extracts in Textile Mercury and Argus, v.86, no. 2253, May 20, 1932, p.461; no.2254, May 27, 1932, p.478.

Abstract in Textile Manufacturer, v.58, no.690, June 1932, p.217; and in Textile Recorder, v.50, no.591, June 15, 1932, p.42-45.

White, L.W., and Shanahan, E.W. The industrial revolution and the economic world of to-day. A study of industrial changes and their effects in Great Britain and of contemporary economic structure. London, New York, Longmans, Green and co., 1932. 378 p.

Chap.III. The beginnings of the industrial revolution. The textile industries: p.41-48.